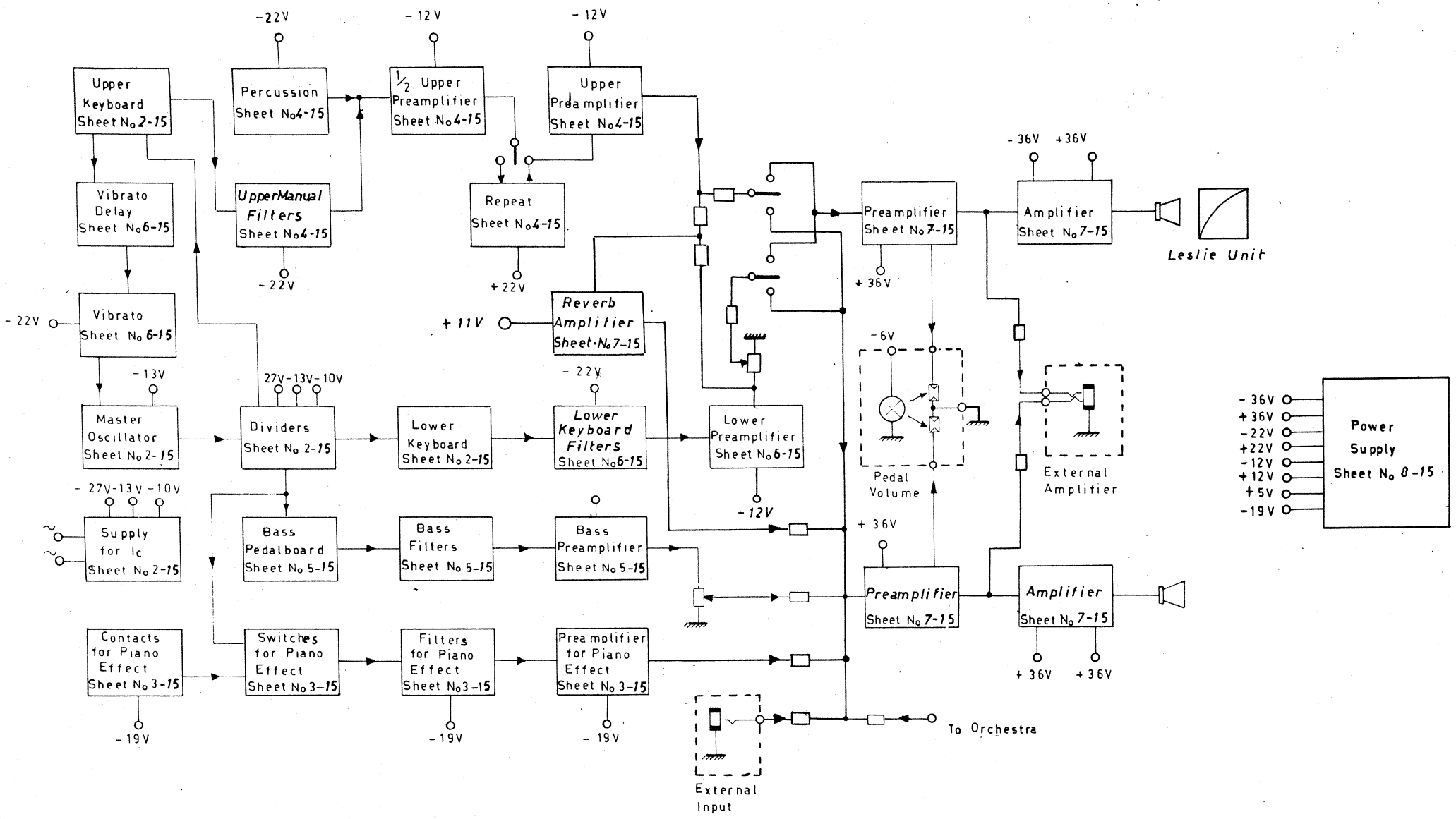
ELKA

CAPRICCIO 33/OL

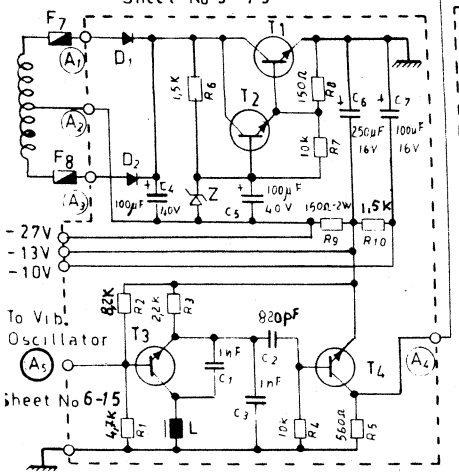
schematic diagrams



Designed by			
Drawn by	Checked by		
		Model CAPRICCIO 33/OL	Object: Block Diagram
			Sheet No 1-15
			Date 4-6-74

MASTER OSCILLATOR S255/4a

Sheet No 9-15



Code	Type	Transistors
T_1	NPN	BD 239A Texas
		Tip 29A Texas
T_2	NPN	BC 208 Mistral-Fairchild
$T_3 \div T_4$	NPN	TY 00102 Motorola

$D_1 = D_2 = 10\,D_2$

Z = 1N 4750

L = Tuning Coils green point

$F_7 = F_8$ = Fuse 0,25 A

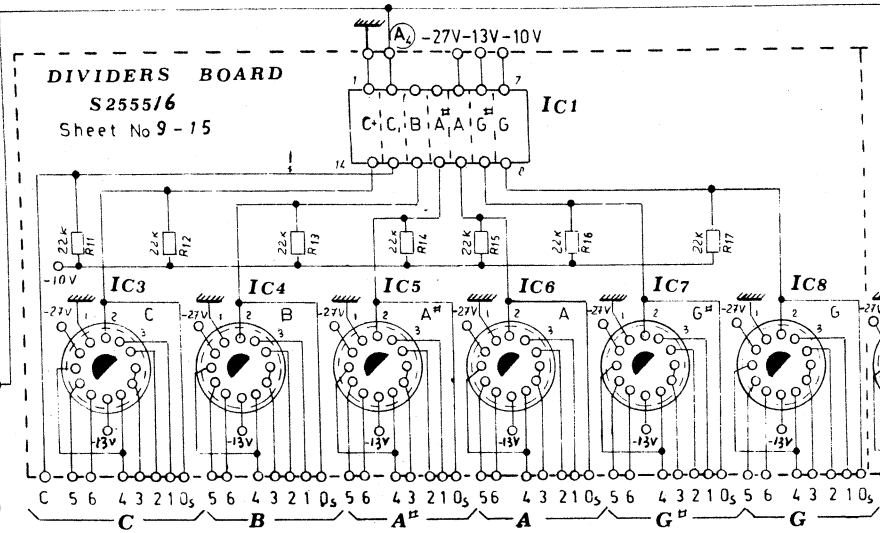
IC1 = S 2555 Top octave Synthesizers A.M.I.

IC2 = S 2556 Top octave Synthesizers A.M.I.

IC3÷IC14 = AY-6721-6 Dividers G.I.E.

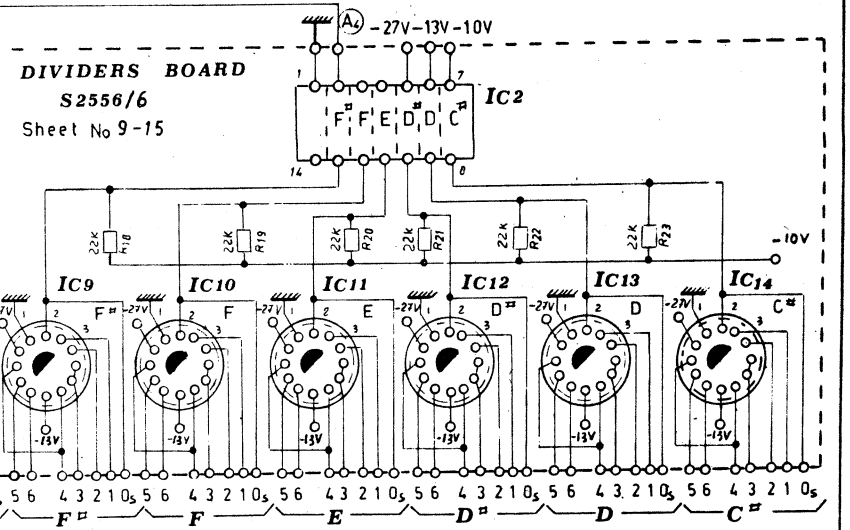
DIVIDERS BOARD S2555/6

Sheet No 9-15

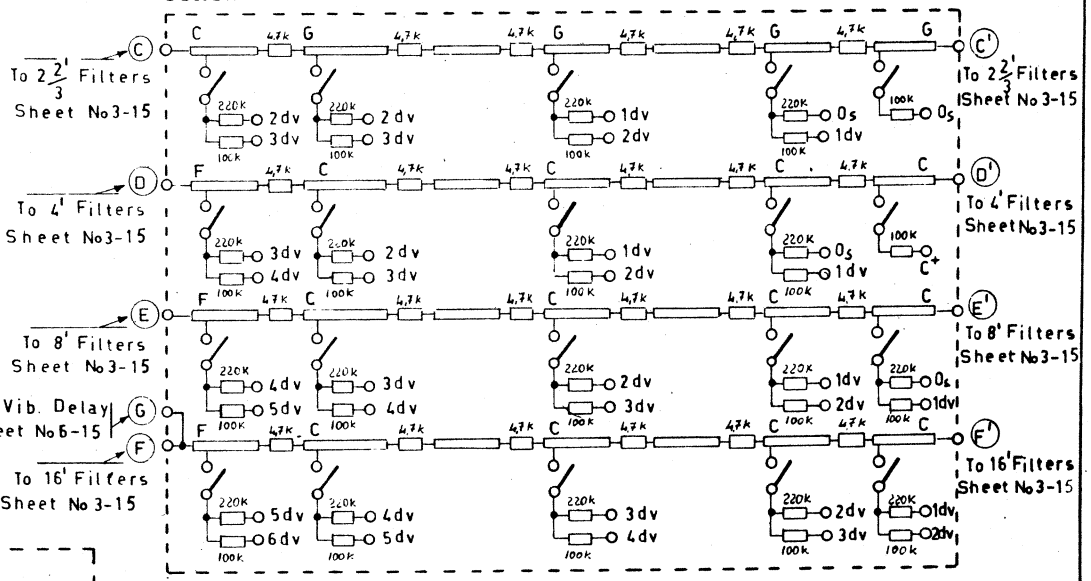


DIVIDERS BOARD S2556/6

Sheet No 9-15



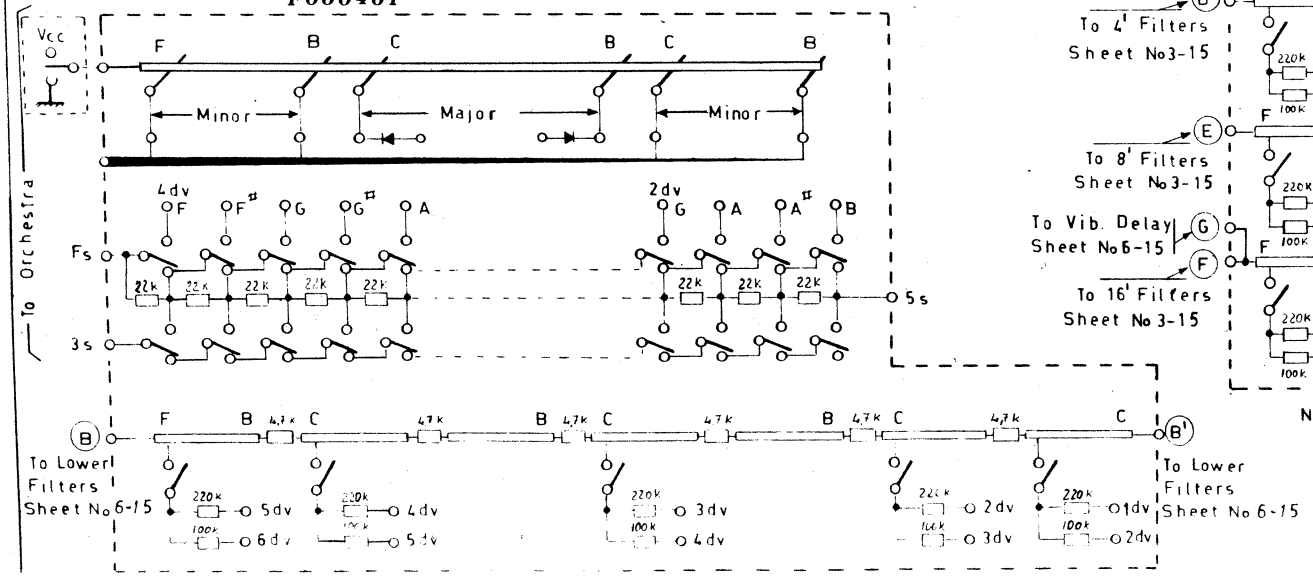
CONTACTS ASSEMBLY OF THE UPPER KEYBOARD 501/1



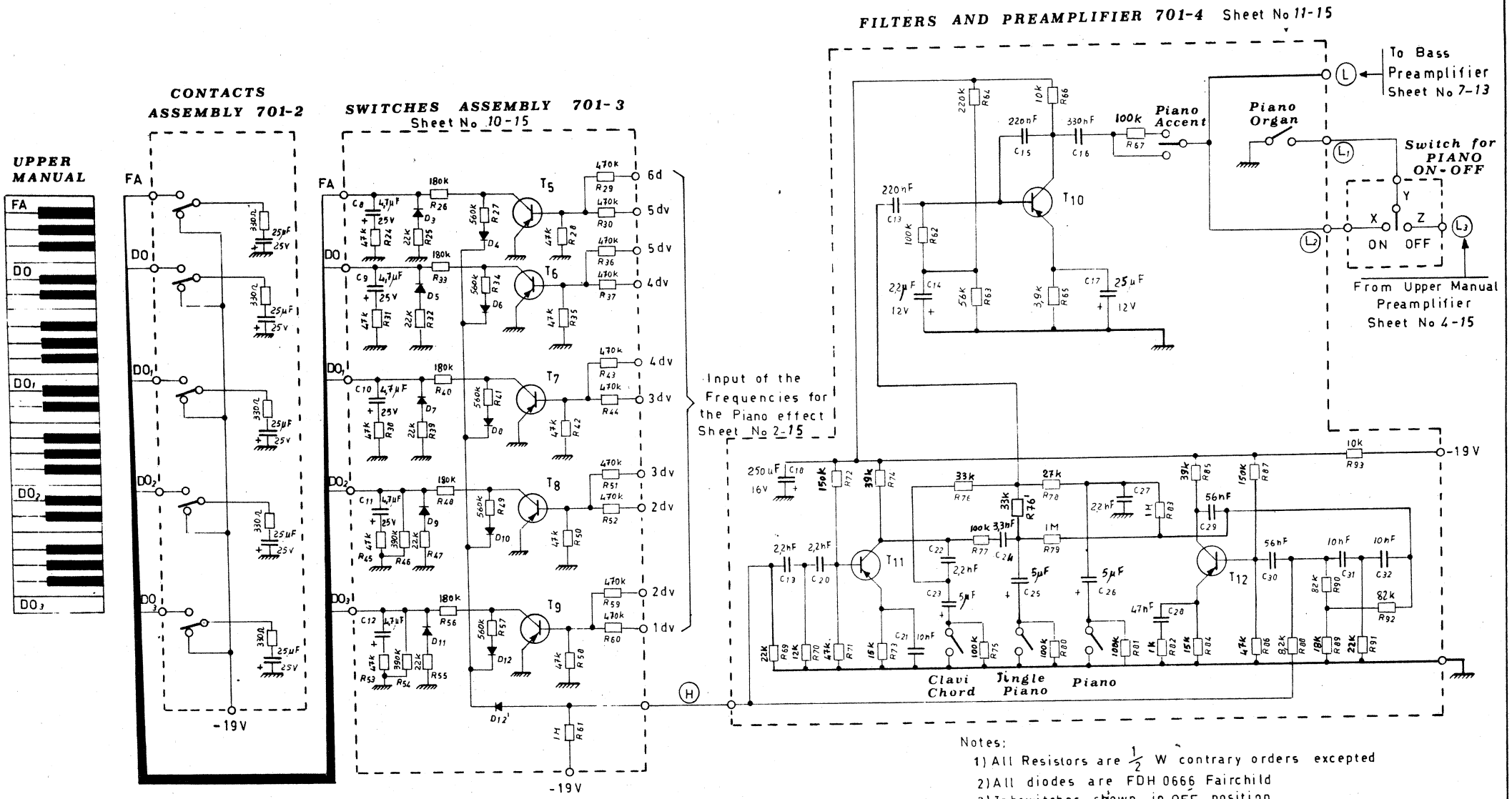
Note: All resistors are $\frac{1}{2}$ W contrary orders excepted

Tabswitches shown in off position

CONTACTS ASSEMBLY OF THE LOWER KEYBOARD AND FOR ORCHESTRA F000401



	Model	Object	Sheet No 2-15
	CAPRICCIO 33/OL	Master oscillator Dividers and Contacts assembly	Date 28-5-74



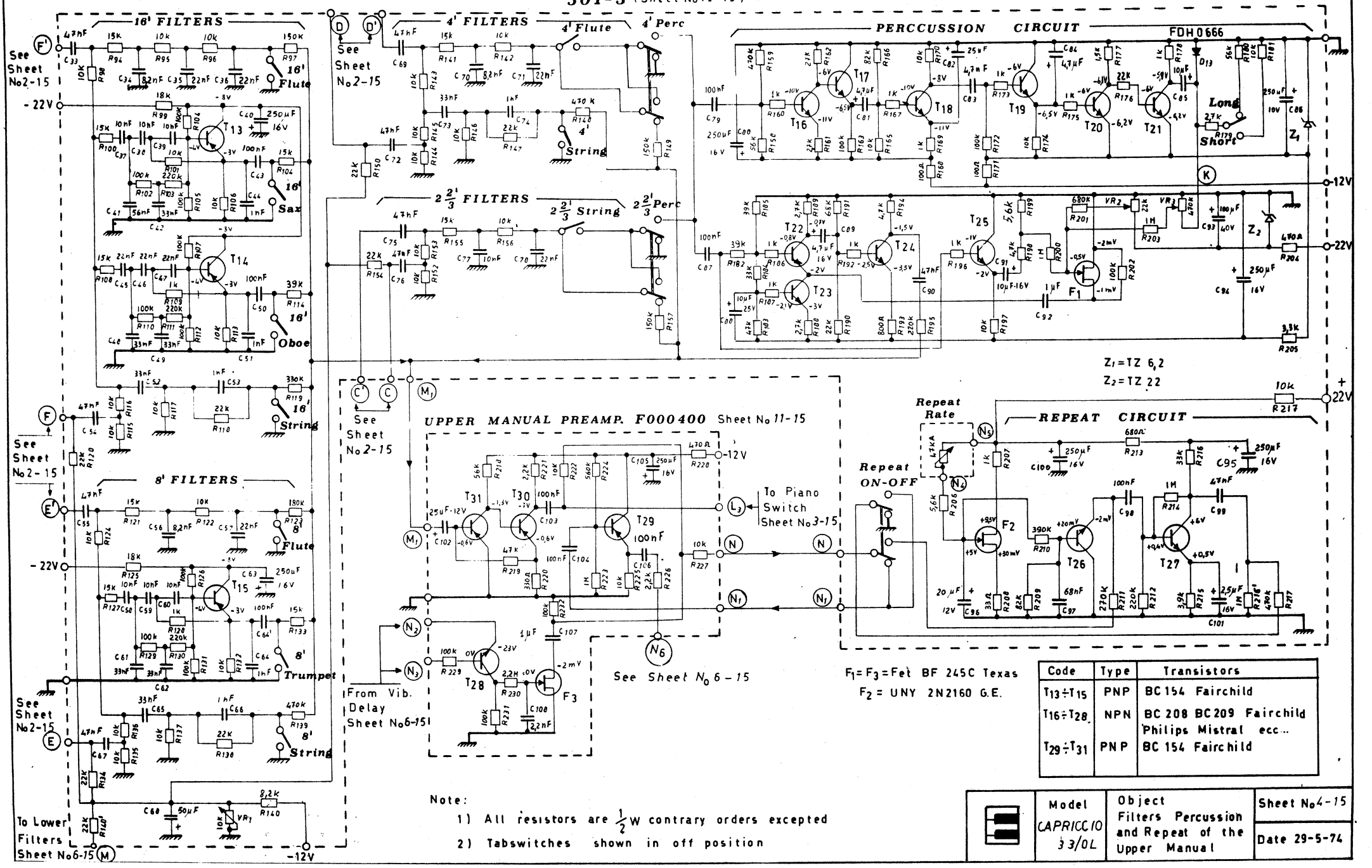
Notes:

1) All Resistors are $\frac{1}{2}$ W contrary orders excepted
2) All diodes are FDH 0666 Fairchild
3) Tabswitches shown in OFF position

Code	Type	Transistors
$T_5 \div T_9$	PNP	F 34746 Fairchild
$T_{10} \div T_{12}$	PNP	BC 154 Fairchild

Model	Object:	Sheet No 3-15
CAPRICCIO 33/OL	Contacts Switches Filters of the Piano Effect	Date 29-5-74

501-3 (Sheet No 12-15)



Code	Type	Transistors
T13 ÷ T15	PNP	BC 154 Fairchild
T16 ÷ T28	NPN	BC 208 BC 209 Fairchild Philips Mistral ecc...
T29 ÷ T31	PNP	BC 154 Fairchild

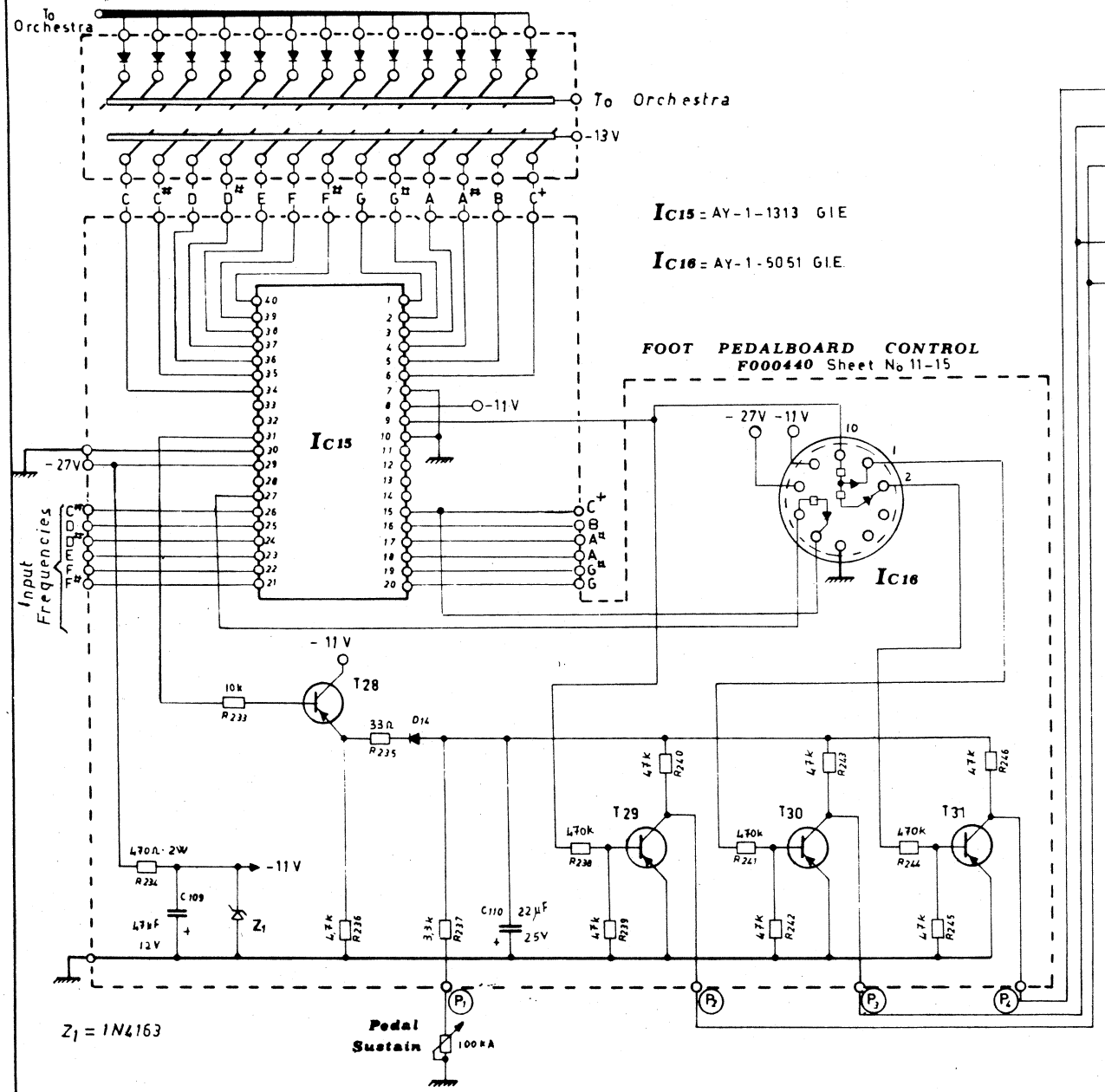
Note:

1) All resistors are $\frac{1}{2}$ W contrary orders excepted

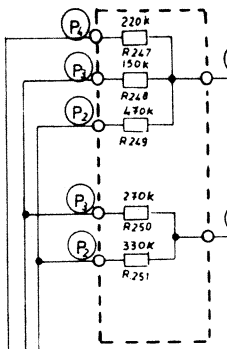
2) Tabswitches shown in off position

Model	Object	Sheet No
CAPRICCIO 33/0L	Filters Percussion and Repeat of the Upper Manual	4-15
		Date 29-5-74

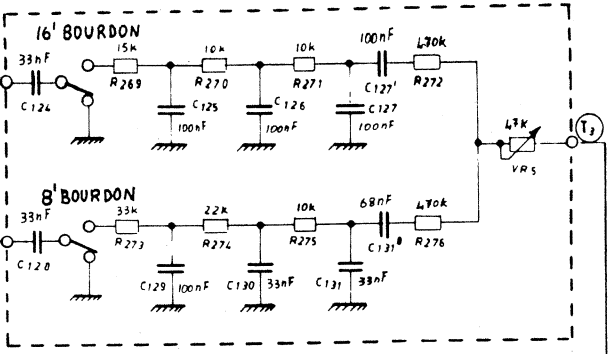
CONTACTS ASSEMBLY FOR PEDALBOARD F000442



F000441

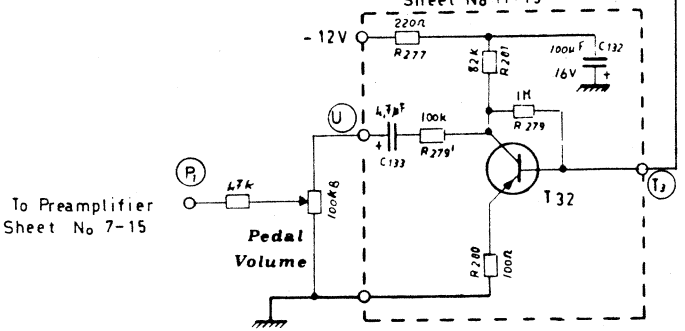


BASS FILTERS 501/3 Sheet No 12-15



BASS PREAMP F000400

Sheet No 11-15



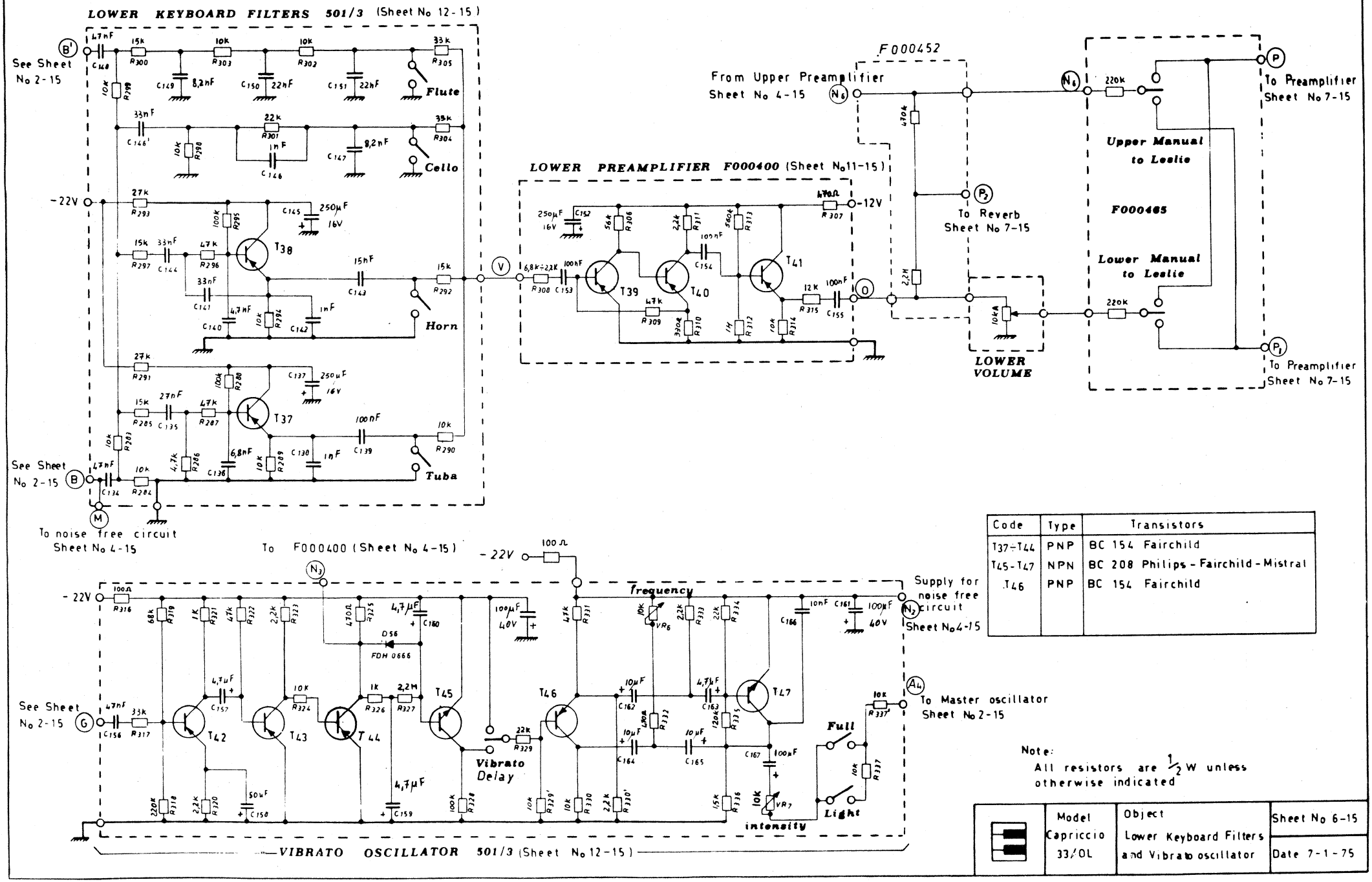
To Preamplifier Sheet No 7-15

Code	Type	Transistors
T28÷T32	PNP	BC 154 Fairchild

Notes:

1) All resistors are $\frac{1}{2}$ W unless otherwise indicated
2) All diodes are FDH 0666 Fairchild
3) Tabswitches shown in off position

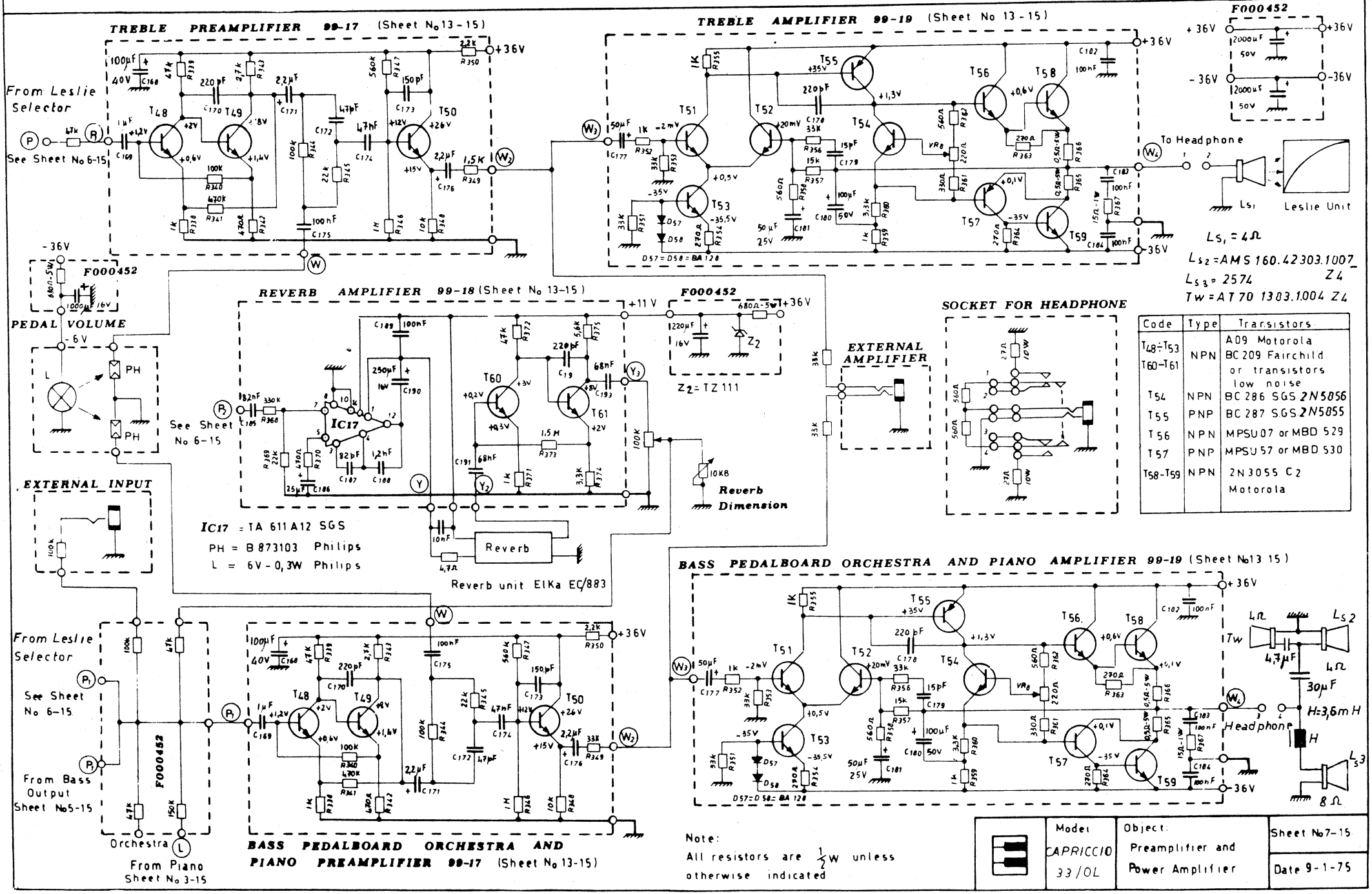
	Model	Object:	Sheet No 5-15
	Capriccio 33/OL	Bass foot Pedalboard	Date 3-1-75



Code	Type	Transistors
T37÷T44	PNP	BC 154 Fairchild
T45-T47	NPN	BC 208 Philips - Fairchild - Mistral
T46	PNP	BC 154 Fairchild

Note:
All resistors are 1/2 W unless otherwise indicated

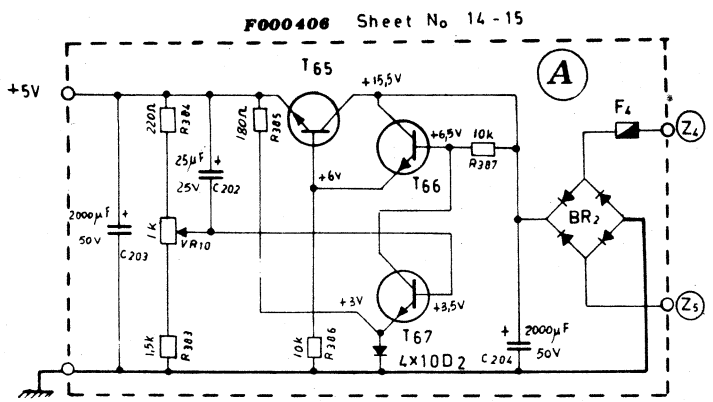
Model	Object	Sheet No 6-15
Capriccio 33/OL	Lower Keyboard Filters and Vibrato oscillator	Date 7-1-75

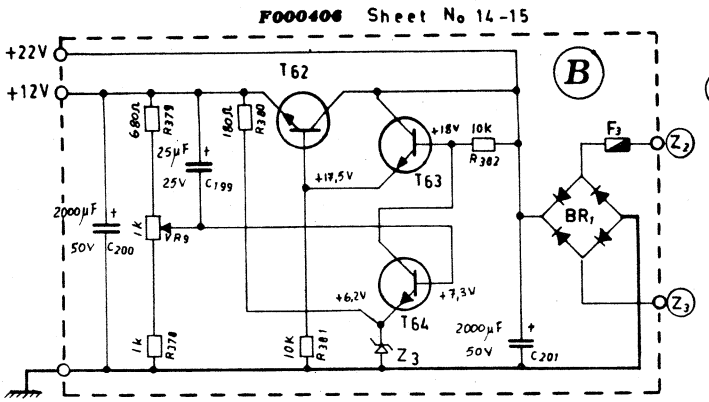

TREBLE PREAMPLIFIER 99-17 (Sheet No 13-15)
TREBLE AMPLIFIER 99-19 (Sheet No 13-15)
F000452
From Leslie Selector
See Sheet No 6-15
To Headphone
Ls1
Leslie Unit
Ls1 = 4Ω
Ls2 = AMS 160.42303.1007 Z4
Ls3 = 2574 Z4
Tw = AT 70 1303.1004 Z4
PEDAL VOLUME
REVERB AMPLIFIER 99-18 (Sheet No 13-15)
Z2 = TZ 111
EXTERNAL AMPLIFIER
SOCKET FOR HEADPHONE
EXTERNAL INPUT
IC17 = TA 611 A12 SGS
PH = B 873103 Philips
L = 6V - 0,3W Philips
Reverb unit ElKa EC/883
Reverb
Dimension
From Bass Output Sheet No5-15
Orchestra
From Piano Sheet No 3-15
BASS PEDALBOARD ORCHESTRA AND PIANO PREAMPLIFIER 99-17 (Sheet No 13-15)
BASS PEDALBOARD ORCHESTRA AND PIANO AMPLIFIER 99-19 (Sheet No13 15)
D57 = D58 = BA 128

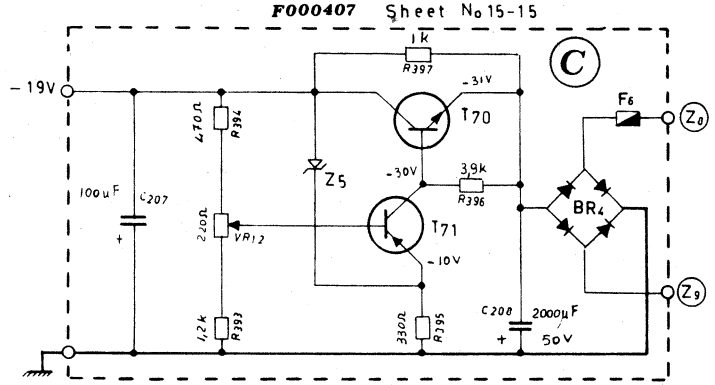
Code	Type	Transistors
T48÷T53 T60–T61	NPN	A09 Motorola BC 209 Fairchild or transistors low noise
T54	NPN	BC 286 SGS 2N5056
T55	PNP	BC 287 SGS 2N5055
T56	NPN	MPSU 07 or MBD 529
T57	PNP	MPSU 57 or MBD 530
T58–T59	NPN	2N3055 C2 Motorola

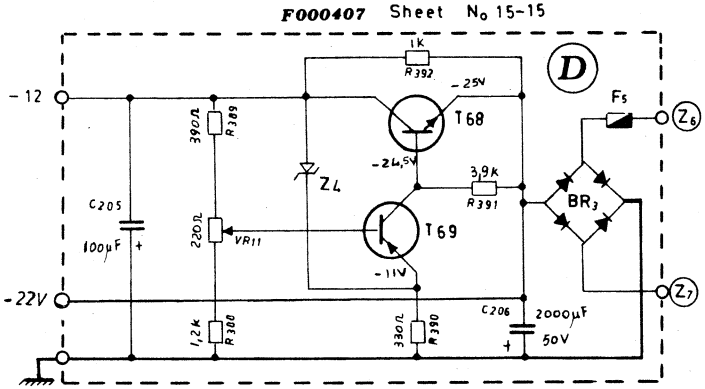
Note:
All resistors are ½W unless otherwise indicated

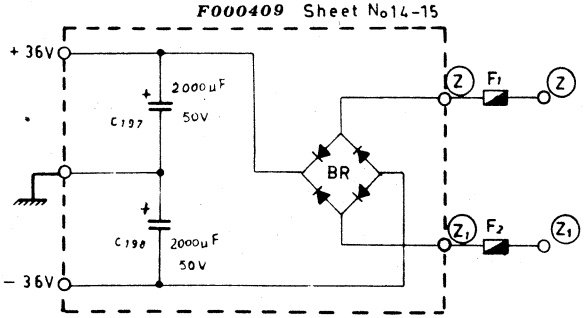
	Model: CAPRICCIO 33/OL	Object: Preamplifier and Power Amplifier	Sheet No7-15
			Date 9-1-75





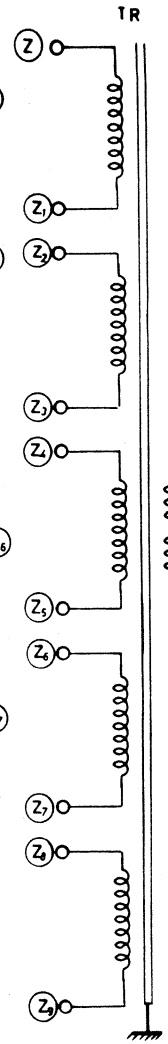




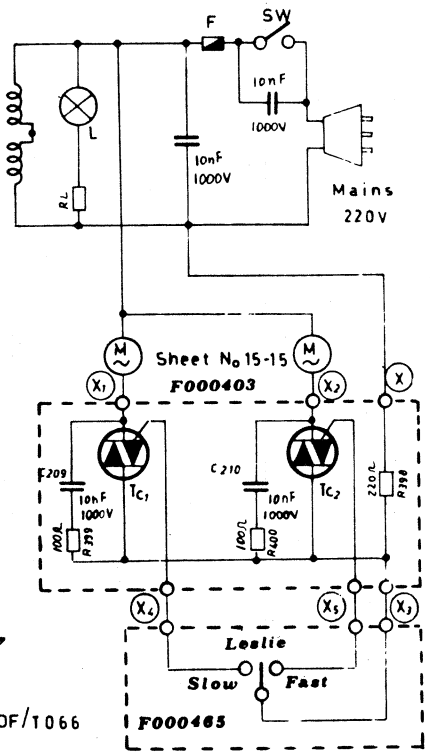


Code	Type	Transistors
T62-T68	NPN	TIP 29A or BD 239A Motorola
T63-T66	NPN	BC 286 S.G.S. 2N5656
T64-T67	NPN	BC 208 Fairchild
T65-T70	NPN	2N3055 Motorola
T69-T71	PNP	BC 287 S.G.S. 2N5655

Note:
All resistors are $\frac{1}{2}$ W unless otherwise indicated



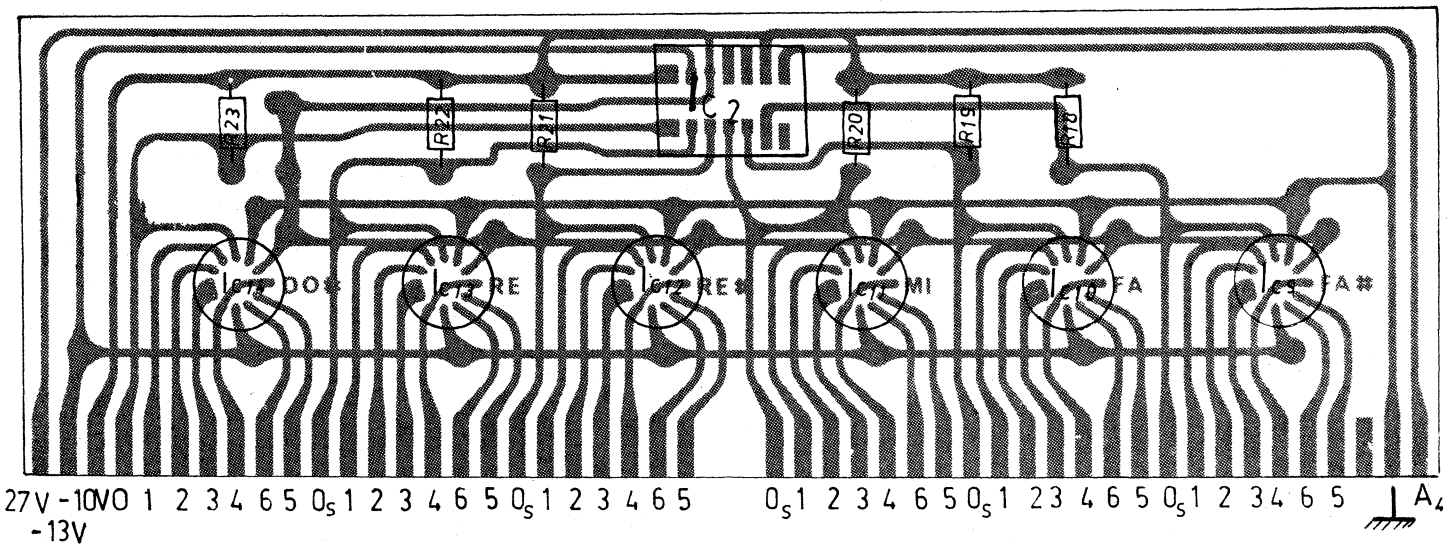
Z_3 = 1EZ 6,2
Z_4 = 1N4731
Z_5 = 1EZ 6,2
F = F_1 = F_2 = Fuse 2A
F_3 = F_5 = Fuse 1,25
F_4 = F_6 = Fuse 1,25
BR = BSB2
BR_1 = W02
BR_2 = BSB2
BR_3 = W02
BR_4 = W02
SW+L = Neon 220V 1108/NB2
TR = Trasformer Elka 064



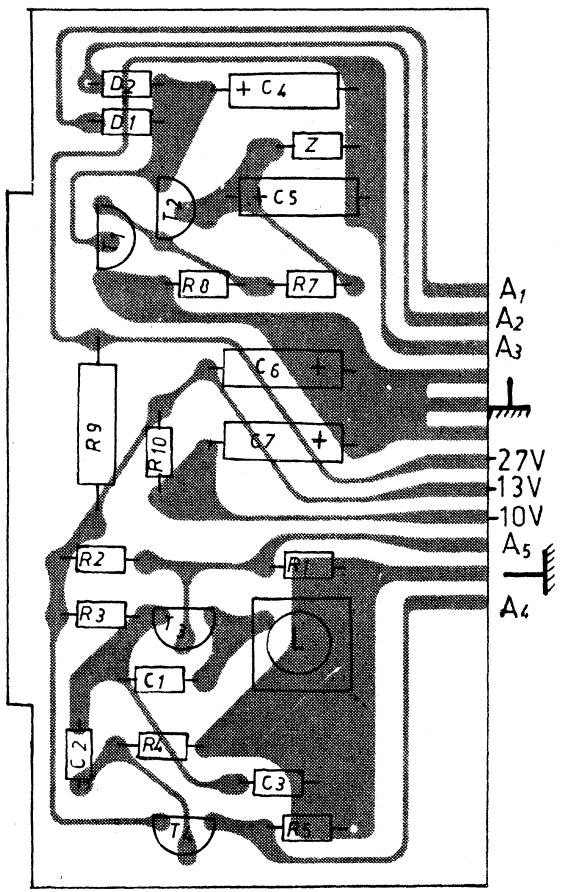
T_{C1} = T_{C2} = T 2701 DF/T066

	Model	Object	Sheet No 8-15
	CAPRICCIO 33/OL	Power Supply	Date 10-1-74

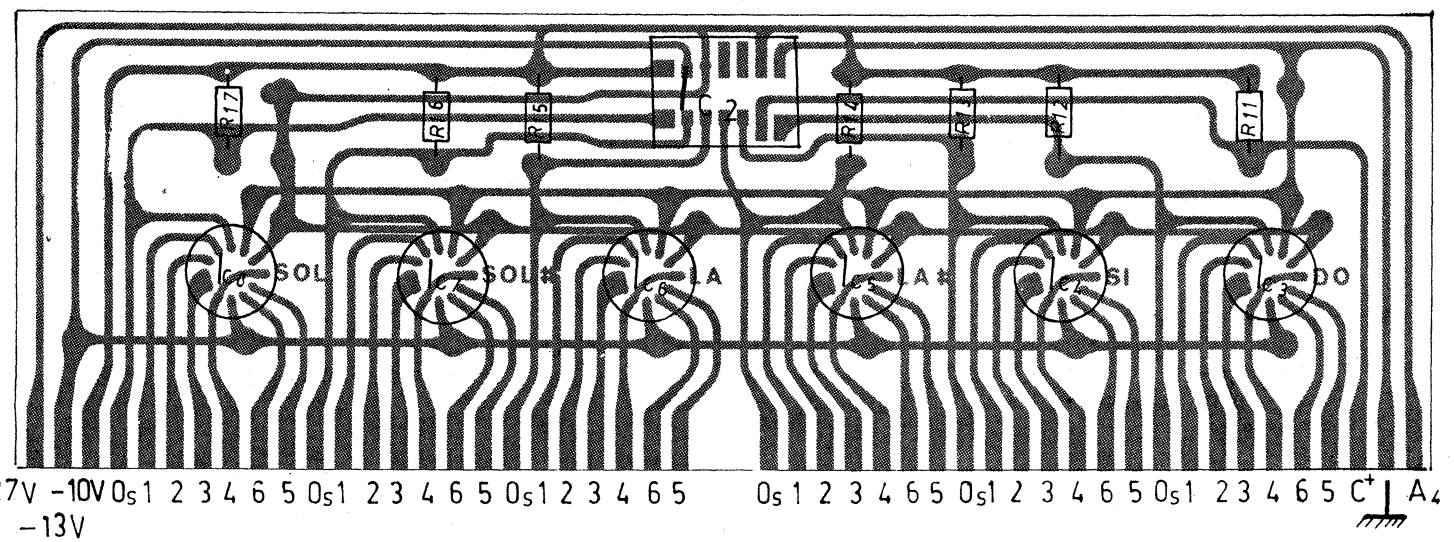
S 2556 / 6



S255/4a

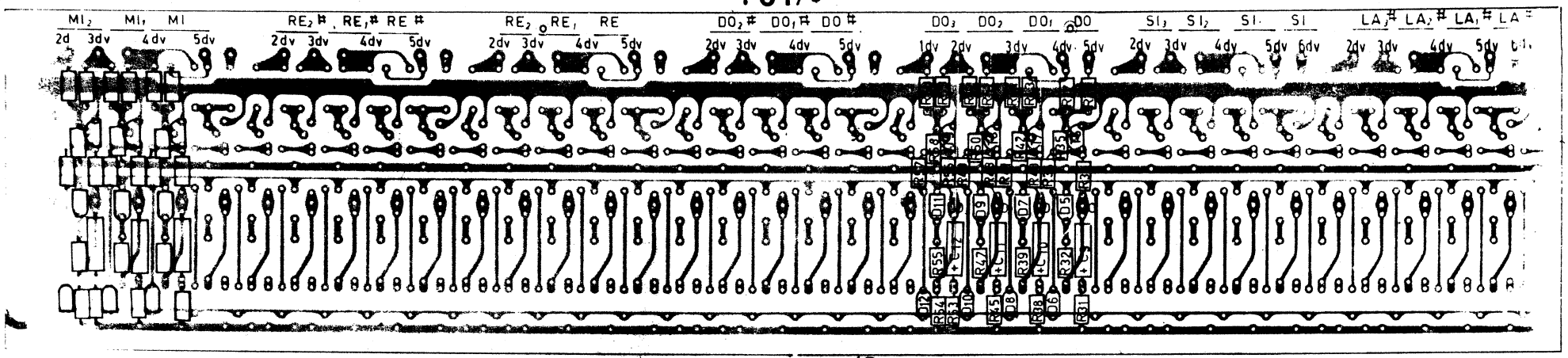


S2555 / 6

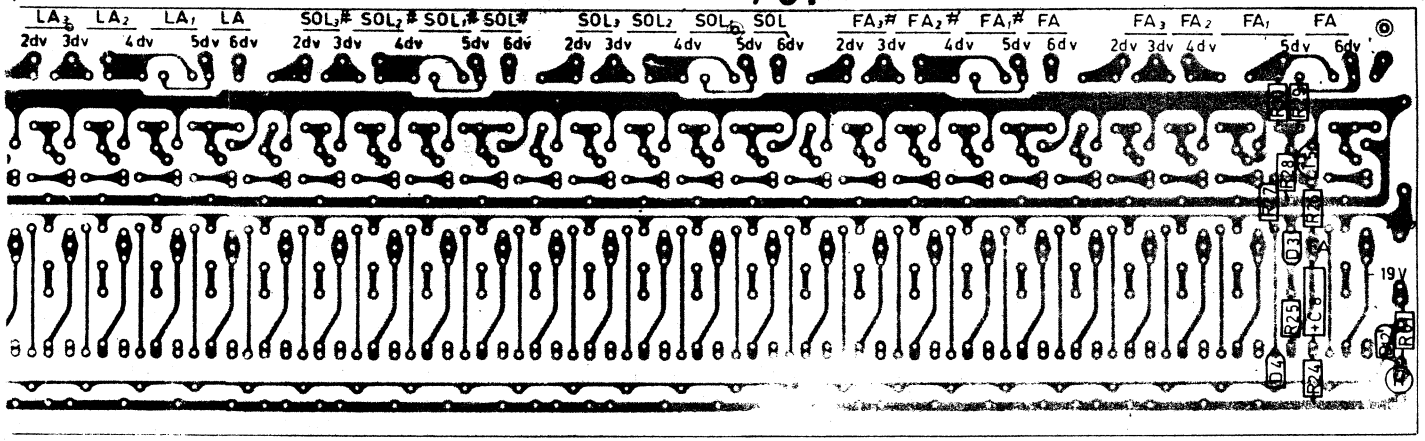


	Model	Object	Sheet No
	CAPRICCIO 33/0L	Assembly of Printed Circu t	9-15 7-13
			Date 19-4-74

701/3

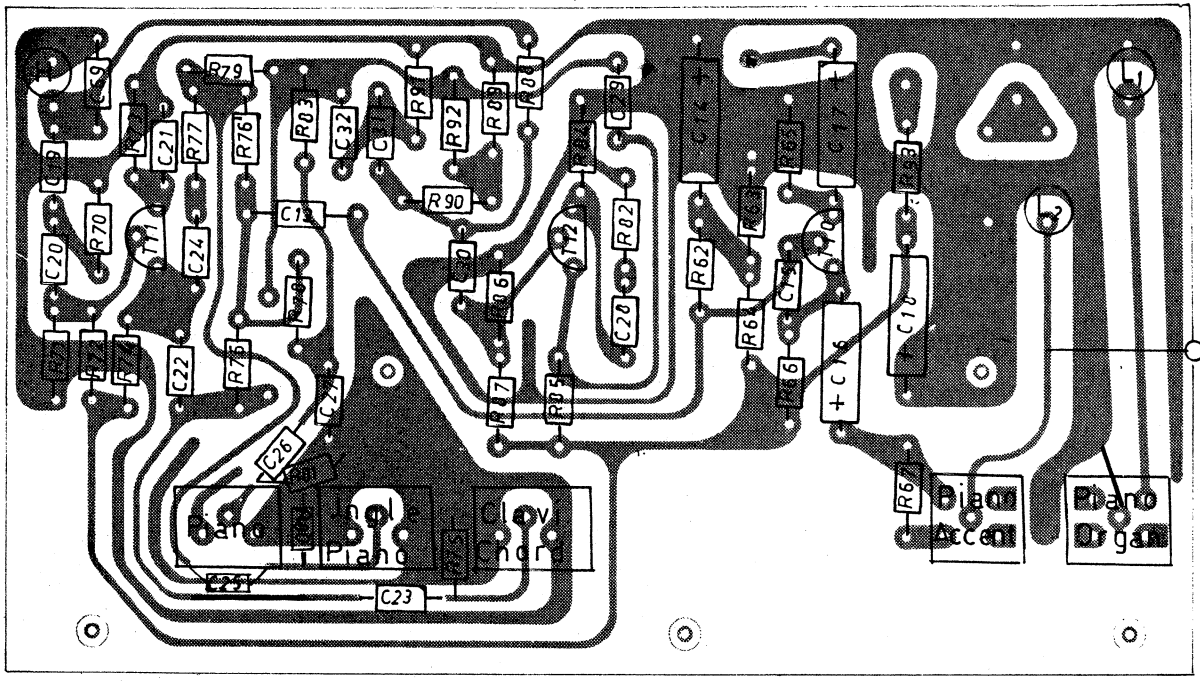


701/3

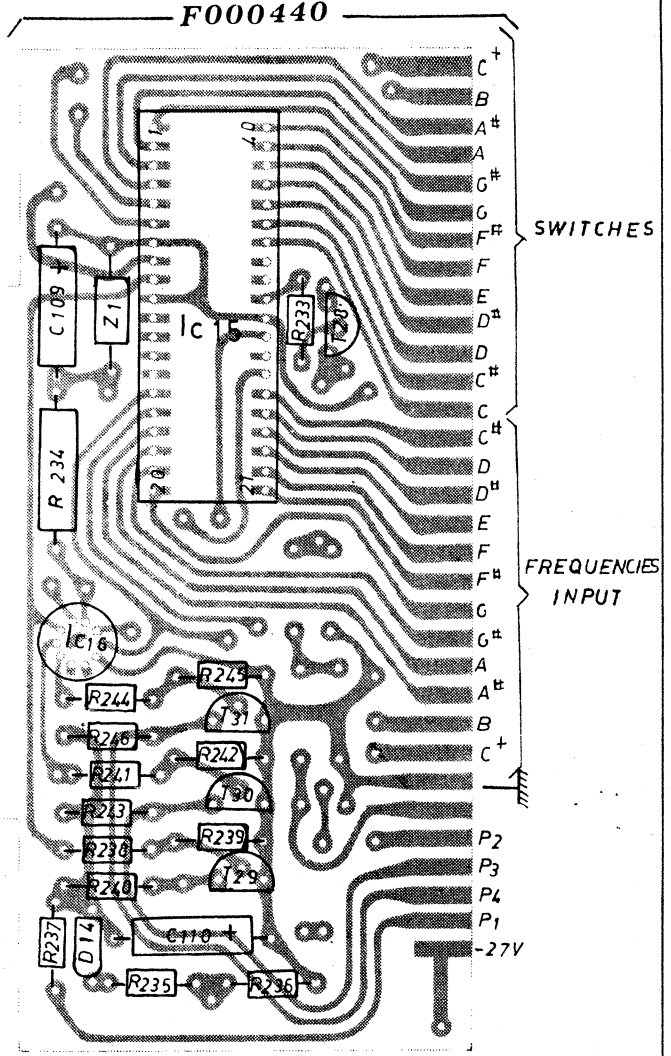


	Model	Object	Sheet
	CAPRICCIO 33/OL	Assembly of Printed Circuit	No 10-15
			Date 30-5-74

701/4



F000440



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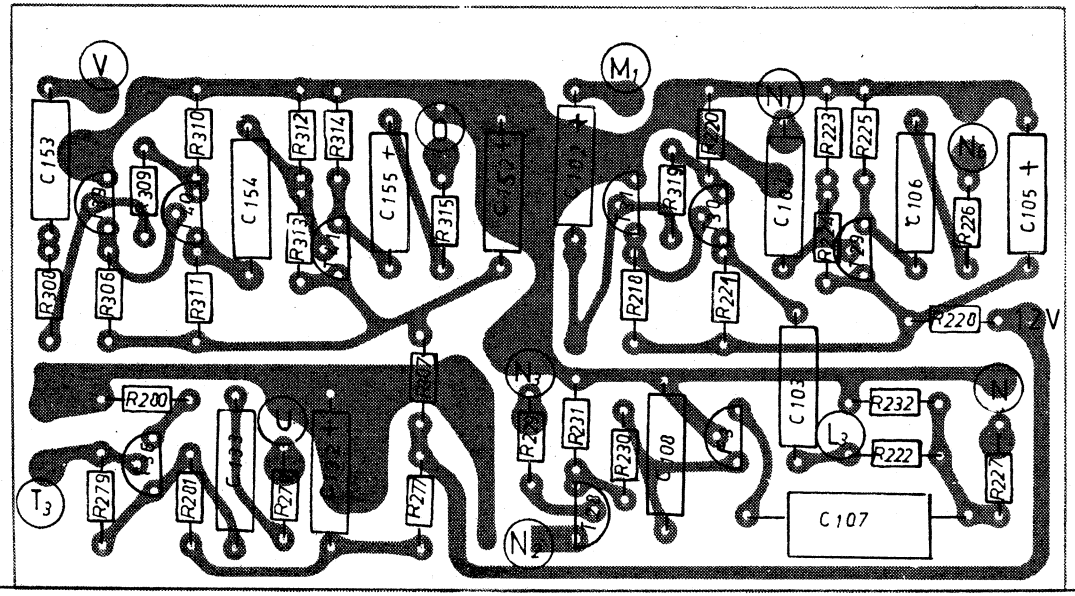
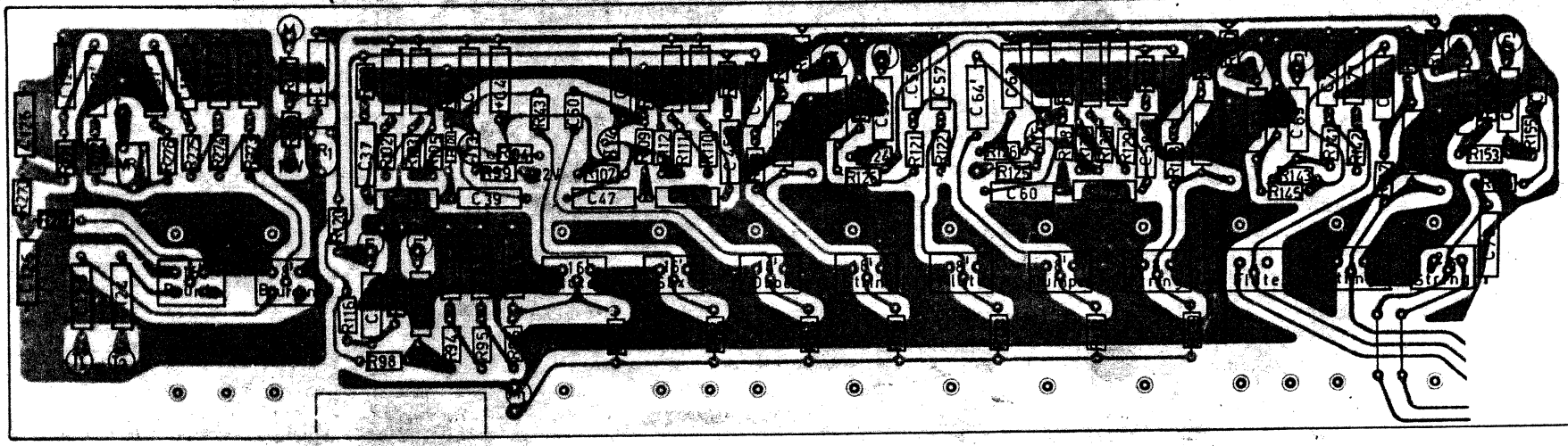
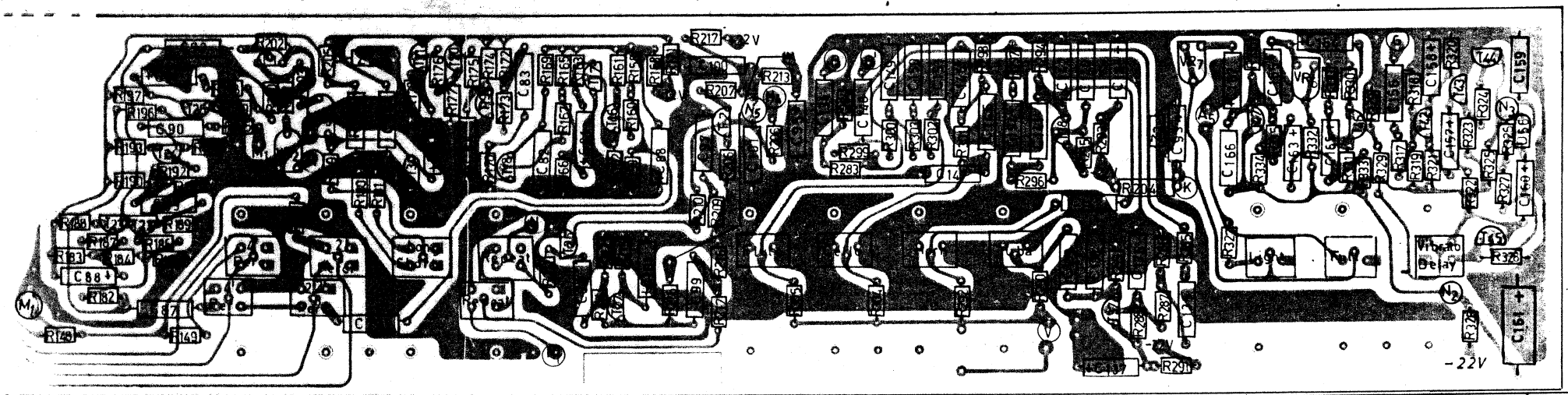


	Model	Object:	Sheet No 11-15
	CAPRICCIO 33/OL	Assembly of Printed Circuit	Date 13-1-75

501/3

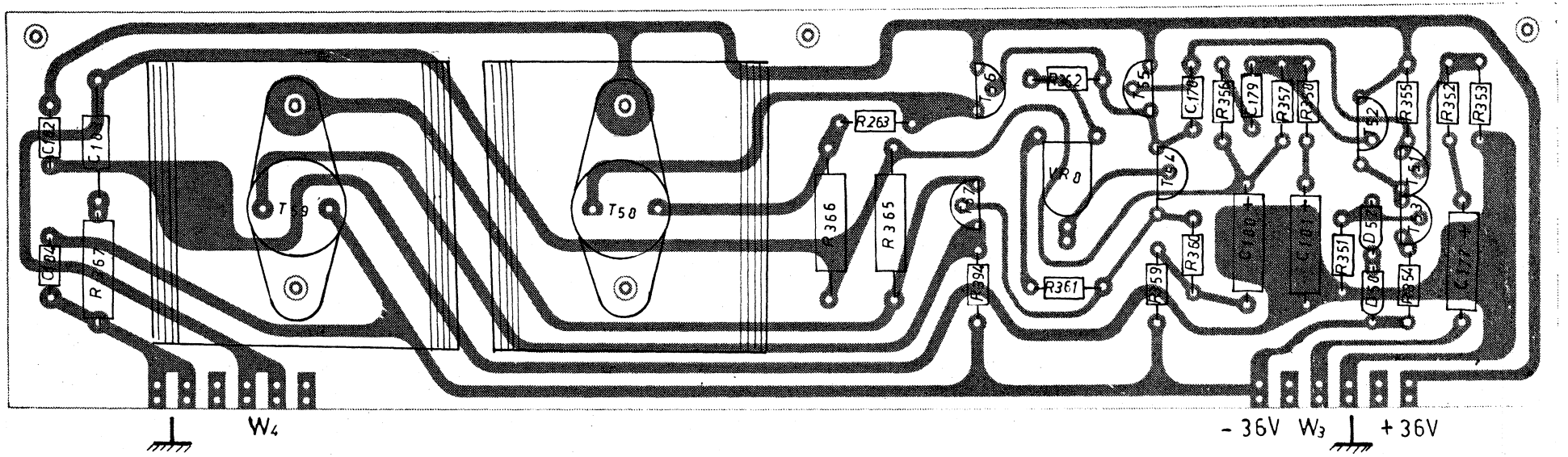


501/3

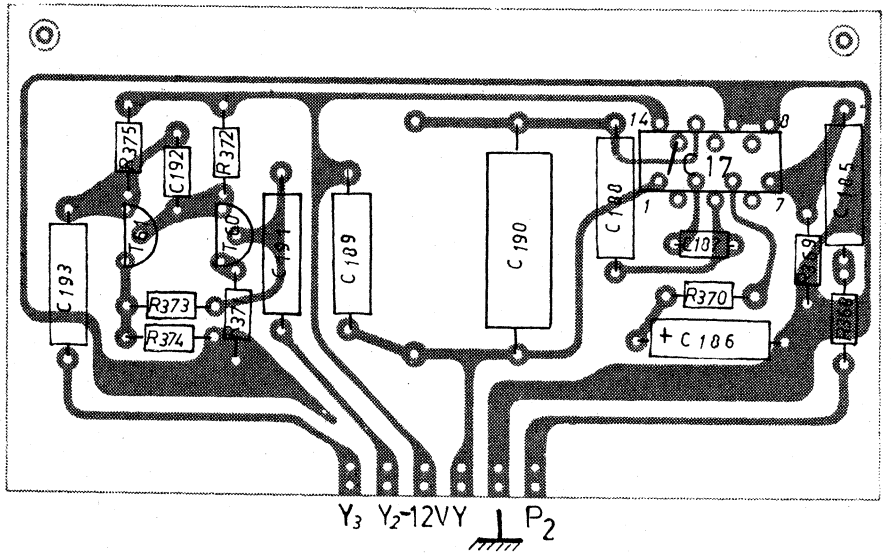


	Model	Object:	Sheet No 12-15 10-13
	CAPRICCIO 33/OL	Assembly of Printed Circuit	Date 17-6-74

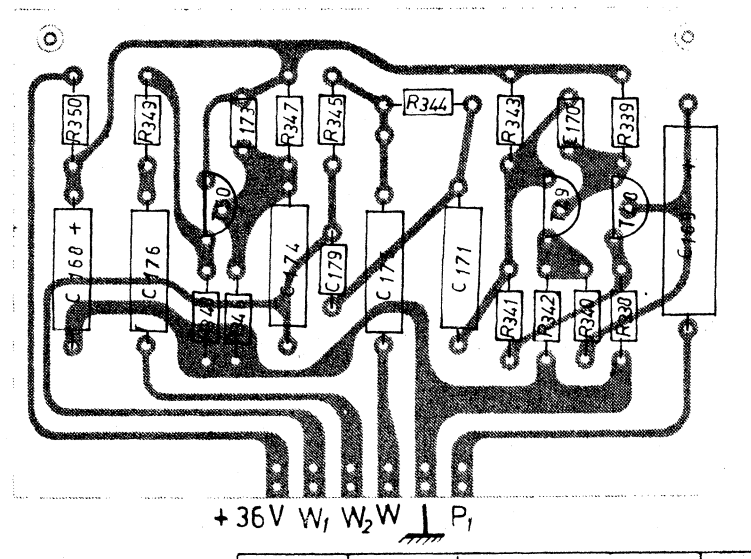
99-19



99-18

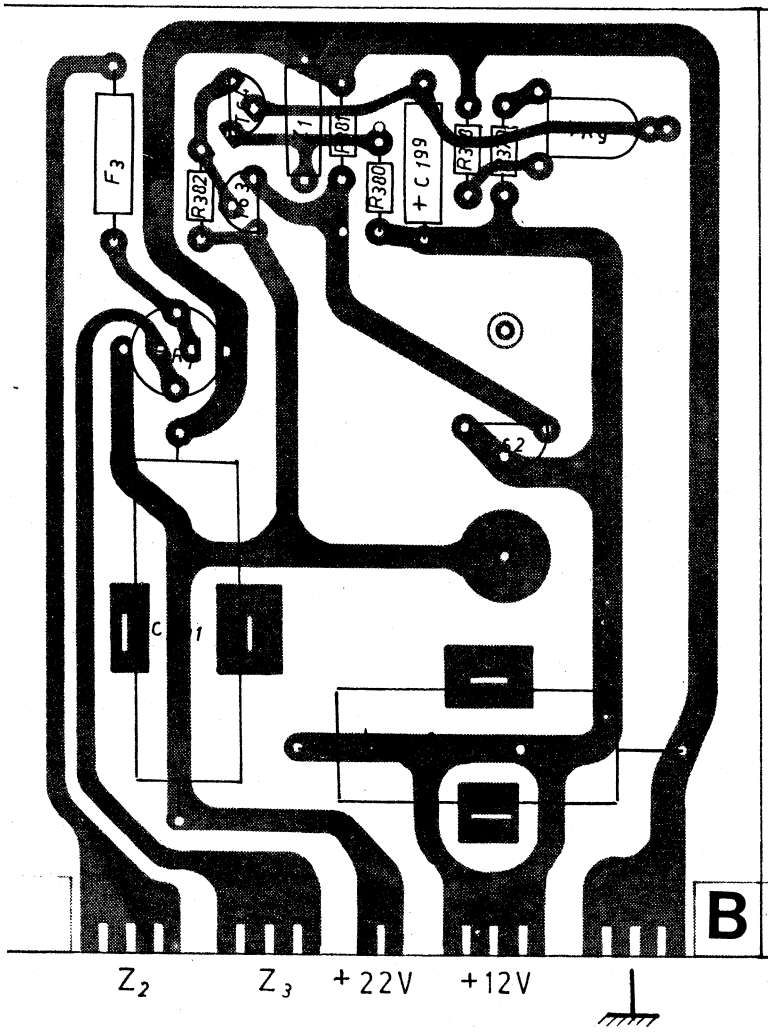


99-17

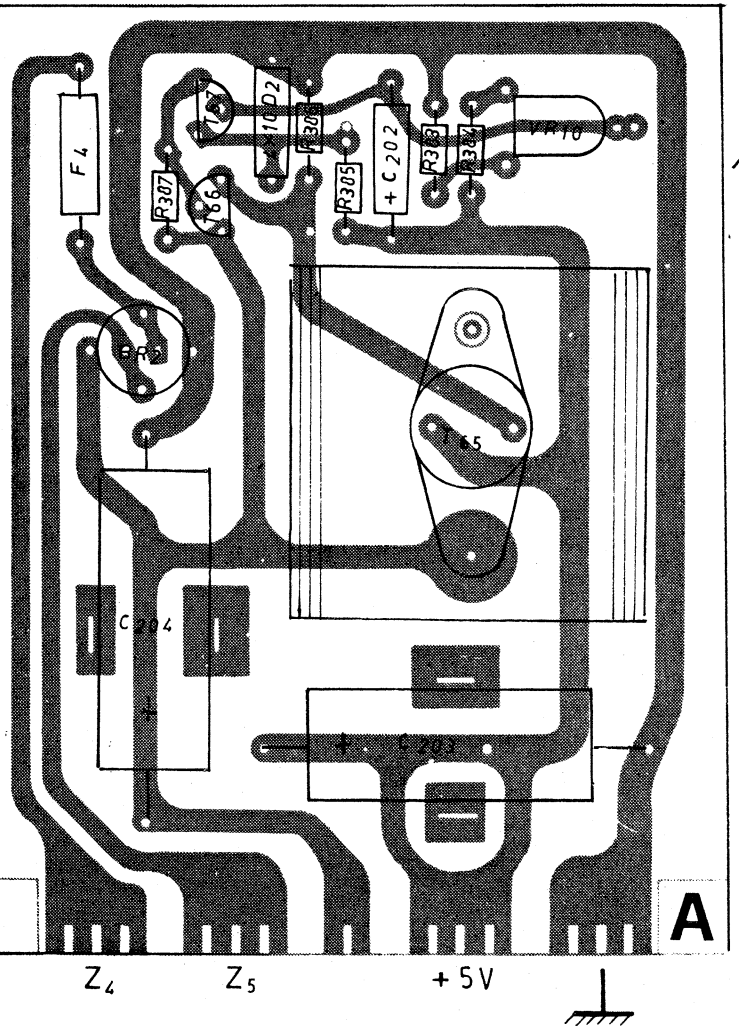


	Model	Object:	Sheet No 13-15 11-13
	CAPRICCIO 33/OL	Assembly of Printed Circuit	Date 30-4-74

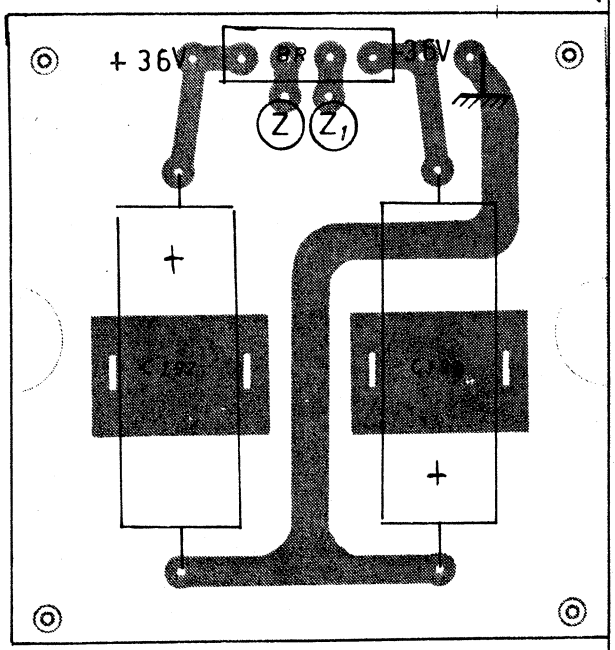
F000406



F000406

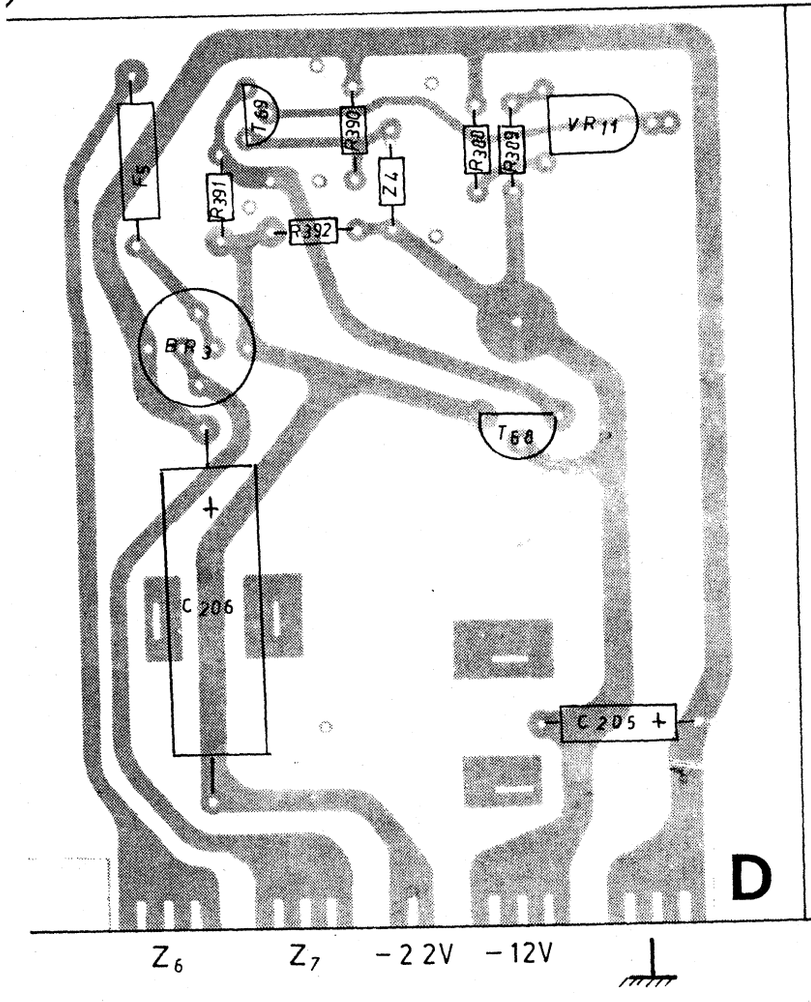


F000409

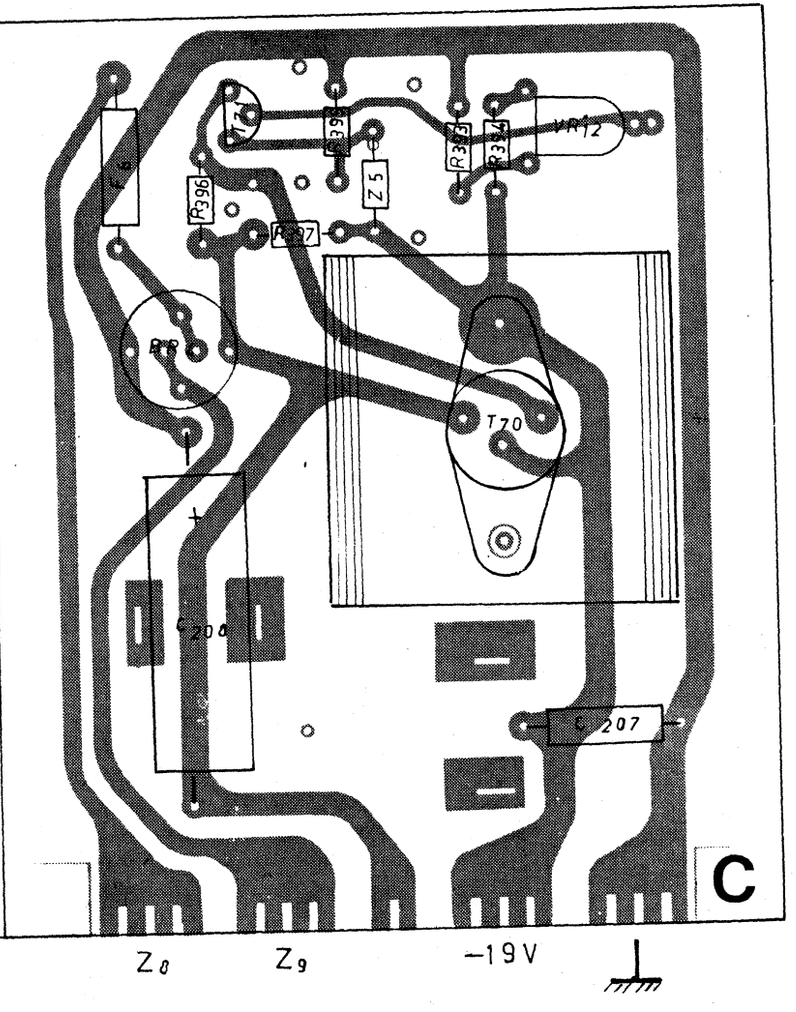


	Mode: CAPRICCIO 33/OL	Subject: Assembly of Printed Circuit	Sheet No 14-15 12-13
			Date 10-6-74

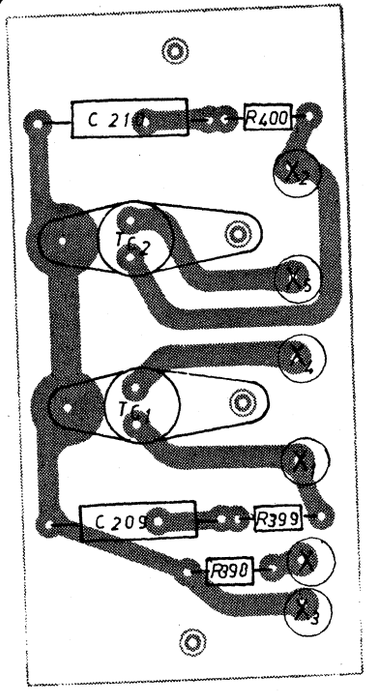
F000407



F000407



F000403



	Model	Object:	Sheet No 15-15 / 13-13
	CAPRICCIO 33/OL	Assembly of Printed Circuit	Date 10-6-74